



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Advertisement for Bids for Trim Mower for the Parks Department

MEETING DATE: August 2, 1995

SUBMITTED BY: Parks and Recreation Director

RECOMMENDED ACTION: That the City Council authorize advertisement for bids for one Toro Groundsmaster® 325D Trim Mower for the Parks Department.

BACKGROUND INFORMATION: The department's 13 year old Toro Groundsmaster® 327 trim mower has worn out, and is now inoperable due to a failed transmission. Rather than continue expensive repairs on this older mower, the Department recommends that it be replaced.

The Toro mowers are preferred over Jacobsen equipment because of faster mowing speed, better cut, and high equipment reliability. A copy of the equipment specifications is attached.

FUNDING: Capital Improvement Fund
Estimated Cost: \$18,000

BID OPENING:

August 16, 1995

Ronald Williamson, Parks and Recreation Director

APPROVED: _____

THOMAS A. PETERSON
City Manager

TORO GROUNDMASTER 325D

ENGINE Mitsubishi, 3-cylinder, 4 cycle, vertical overhead valve, liquid cooled diesel engine with centrifugal water pump. 24.99 HP at 2850 RPM rated: governed to a maximum speed of 3250 RPM. 59.7 cu. in. (979 cc) displacement. Three start assist glow plugs; 12 volt (2.0 kw) gear reduction starter with solenoid. Forced lubrication with Trochoid pump. Forged connection rods, cast iron cylinder head and block. Fuel injection pump, 12 volt electric fuel pump. Replaceable fuel filter/water separator with 3 micron filtration; bottom drain for water removal. Heavy-duty, remote mounted air cleaner. Engine to be equipped with spark arrestor muffler.

FUEL CAPACITY 6.5 gallon

CONTROLS Hand operated throttle, PTO, hydraulic implement lift and foot operated traction pedal.

GAUGES AND DIAGNOSTICS SYSTEMS Ammeter, hour meter, fuel gauge, temperature gauge, coolant temperature switch-gauge (prevents overheating), oil pressure warning light and buzzer, glow plug switch/indicator.

ELECTRICAL FEATURES Maintenance free battery: 12 bolt, 550 amp, cold cranking. Dash mounted ignition switch, 35 amp alternator, 40 amp manual reset circuit breaker. Seat, PTO and traction interlock switch.

WEIGHT 1250 lbs. dry weight, mover only.

RADIATOR Mid-mounted industrial radiator with tube and fin construction; 7 fins per inch. Approx. 6 quart capacity. Stamped brass top and bottom tanks with hydraulic oil cooler in lower tank. Thermally stable water cooled hydrostatic system regulates operation temperature.

TRACTION DRIVE Variable speed, axial piston, hydrostatic in-line transmission; charge circuit hydraulics with 25 micron filtration provides hydraulic flow for power and implement lift. Transmission mates to drive axle; 20.9:1 reduction, approximate 5 quart oil lubricant capacity. Single foot pedal control of forward/reverse ground speed.

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IMPLEMENT DRIVE 1-1/8" splined PTO shaft driven by a tight-slack double (A) section, torque team V-belt.

STEERING Hydraulic power steering with control valve and metering section which regulates pressure and meters flow which automatically goes to steering function. 13" diameter steering wheel. Tilt steering with a 15 degree range of movement releases and locks by a single lever control.

GROUND SPEED/CLEARANCE 0-9.5 mph, infinitely variable. Front ground clearance 7.5".

TIRES/WHEELS/PRESSURES Two front traction drive tires: 23 x 8.50-12, tubeless, extra traction tread, 4-ply rating. Demountable drop center rims. Two rear steering tires: 16 x 6.50-8, tubeless, rib tread, 4-ply rating.

MAIN FRAME Welded, formed steel, reinforced with square and rectangular tubing.

BRAKES Individual 7" x 1.75" drum type wheel bakes and parking brakes on front traction wheels. Dynamic braking through traction drive.

SEAT Deluxe adjustable suspension set, Model 30772.

DECK 72" width of cut, three blade, front mounted rotary. Recycling capability with no discharge.

MOWING RATE Capable of mowing up to 3.8 acres/hr at 5.5 mph.

CONSTRUCTION 12 gauge steel, 5.5" deep, welded construction reinforced with 10 gauge channels and plates.

CUTTER DRIVE Isolation mounted PTO driven gearbox with 1.26:1 spiral bevel gears. Single (B) section hex belt to spindles. Self-tensioning idler pulleys. 1.25" diameter spindle shafts, turn on two greaseable tapered roller bearings (greaseable from top of deck). Positive splined connection attaches pulleys to spindle shafts for high torque capacity.

BLADES Three 25" long, .25" thick, heat-treated steel, Recycler blades.

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SUSPENSION & CASTER WHEELS . Two front and rear caster tires consist of hard rubber and roller bearings. Deck counterbalanced by two torsion springs.

ANTI-SCALP FEATURES Anti-scalp cup located on each blade. Three anti-scalp rollers. Adjustable skids.

DECK COVERS Quick release, high impact plastic covers. No tools required to remove.

DECK WEIGHT 465 lbs.

WARRANTY Two years or 1500 operational hours, whichever comes first.

BOOKS Complete repair and parts manuals on Mower.